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Naftaly H. Minsky

May 1996 Proceedings of the 18th international conference on Software engineering

Full text available: pdf(916.52 KB)
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We argue that the trustworthiness of evolving software systems can be significantly enhanced by a rigorous process of independent on-line monitoring. Such monitoring can prevent fraud, encourage careful maintenance, and serve as an early detector of irregularities in the state and behavior of a system. Unfortunately, there is a conflict between the concepts of on-line and independent monitoring. This conflict is due to the fact that on-line monitoring requires the embedding of some kinds of sens ...

Keywords: evolving software systems, fraud prevention, independent on-line monitoring, irregularity detection, law-governed architecture, sensors, software maintenance, system monitoring, systems software

² Coupling virtual machines and system construction

M. Berthaud, M. Jacolin, Ph. Potin, H. Savary

March 1973 Proceedings of the workshop on virtual computer systems

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The behavior of a system running in one virtual machine (OBJECT) is made accessible to an external observer through another virtual machine (SPY) coupled to the previous one. Given the independence of virtual machines, it is possible to run in SPY a fully operational system to which suitable components are added in order to achieve integration and debugging of new systems in OBJECT.

3 Information transmission in computational systems

Ellis Choen

November 1977 Proceedings of the sixth ACM symposium on Operating systems principles

Full text available: pdf(537:87 KB)

Additional Information: full citation, abstract, references, citings, index terms

This paper presents Strong Dependency, a formalism based on an information theoretic approach to information transmission in computational systems. Using the formalism, we show how the imposition of initial constraints reduces variety in a system, eliminating

undesirable information paths. In this way, protection problems, such as the Confinement Problem, may be solved. A variety of inductive techniques are developed useful for proving that such solutions are correct.

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Ladjel Bellatreche, Kamalakar Karlapalem, Michel Schneider

November 2000 Proceedings of the ninth international conference on Information and knowledge management

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Keywords: data warehouses, index selection problem, physical data warehouse design, query processing, storage constraint, view selection problem

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Incident handling: an orderly response to unexpected events

Richard L. Rollason-Reese

September 2003 Proceedings of the 31st annual ACM SIGUCCS conference on User services

Full text available: pdf(198.98 KB) Additional Information: full citation, abstract, references, index terms

Computer viruses, worms, denial of service attacks, equipment failures, vandalism, theft and other unwelcome events can send your computer services staff scrambling and cause a variety of problems for your user community. Even the least of these situations can be a distraction for your staff. The most severe can provide an unscheduled opportunity to test your disaster recovery procedure! How does your organization react to these events? Do you have a clearly-defined process in place to deal with ...

Keywords: attack, emergency, incident handling, incident response, recovery, response team

2 Digital rights management and fair use by design: DRM and privacy

Julie E. Cohen

April 2003 Communications of the ACM, Volume 46 Issue 4

Full text available: pdf(66.44 KB) Additional Information: full citation, abstract, references, index terms html(16.47 KB)

How should the law respond to DRM restrictions that invade user privacy?

3 Cost effective dynamic program slicing

Xiangyu Zhang, Rajiv Gupta

June 2004 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 2004 conference on Programming language design and implementation, Volume 39 Issue 6

Additional Information: full citation, abstract, references, index terms Full text available: pdf(234.12 KB)

Although dynamic program slicing was first introduced to aid in user level debugging, applications aimed at improving software quality, reliability, security, and performance have since been identified as candidates for using dynamic slicing. However, the dynamic dependence graph constructed to compute dynamic slices can easily cause slicing algorithms to run out of memory for realistic program runs. In this paper we present the design and evaluation of a cost effective dynamic program slicing a ...

Keywords: debugging, dynamic dependence graph, testing

4	Copyrights and access-rights: How DRM-based content delivery systems disrupt expectations of "personal use" Deirdre K. Mulligan, John Han, Aaron J. Burstein October 2003 Proceedings of the 2003 ACM workshop on Digital rights management	
	Full text available: pdf(416.68 KB) Additional Information: full citation, abstract, references, index terms, review	
	We set out to examine whether current, DRM-based online offerings of music and movies accord with consumers' current expectations regarding the personal use of copyrighted works by studying the behavior of six music, and two film online distribution services. We find that, for the most part, the services examined do not accord with expectations of personal use. The DRM-based services studied restrict personal use in a manner inconsistent with the norms and expectations governing the purchase and	
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	Online businesses would do well to cultivate their visitors' adventurous, trusting, optimistic, risk-taking world views.	
6	Upfront CORPORATE Linux Journal Staff July 2002 Linux Journal, Volume 2002 Issue 99	
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8	Virtual extension: Hidden surveillance by Web sites: Web bugs in contemporary use David Martin, Hailin Wu, Adil Alsaid December 2003 Communications of the ACM, Volume 46 Issue 12	
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9	Socurity: Information system socurity curricula development	
•	Security: Information system security curricula development Ed Crowley October 2003 Proceeding of the 4th conference on Information technology education	

Full text available: pdf(191.25 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we survey current literature concerning Information Systems Security Training and Education. This paper also describes current Information System Security Training and Education dynamics. Finally, this paper presents a graduate level information system security specialization that was developed using this information.

Keywords: information technology curricula, information technology security

10 Letters

Linux Journal Staff May 2004 Linux Journal, Volume 2004 Issue 121

Full text available: html(8.78 KB) Additional Information: full citation

11 Use of a P3P user agent by early adopters

Lorrie Faith Cranor, Manjula Arjula, Praveen Guduru

November 2002 Proceeding of the ACM workshop on Privacy in the Electronic Society

Full text available: pdf(450.21 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

The Platform for Privacy Preferences (P3P), developed by the World Wide Web Consortium (W3C), provides a standard computer-readable format for privacy policies and a protocol that enables web browsers to read and process privacy policies automatically. P3P enables machine-readable privacy policies that can be retrieved automatically by web browsers and other user agent tools that can display symbols, prompt users, or take other appropriate actions. We developed the AT&T Privacy Bird as a P3P use ...

Keywords: P3P, privacy, survey, user agent, user study

12 The challenges of designing lab exercises for a curriculum in computer security Rahul Tikekar, Thomas Bacon

May 2003 The Journal of Computing in Small Colleges, Volume 18 Issue 5

Additional Information: full citation, abstract, references, index terms Full text available: pdf(55.08 KB)

Increasing awareness of the vulnerabilities of computer systems has led to the introduction of several programs in computer security. Most of these programs are meant to attract graduate students. Southern Oregon University has recently started a new undergraduate track in computer security and information assurance. In this paper we describe the development of lab exercises geared toward such a curriculum. The process begins with the curriculum itself and the lab - designing one that mirrors an ...

13 Forth report: Deus Ex Macintosh

Paul Frenger

March 2004 ACM SIGPLAN Notices, Volume 39 Issue 3

Full text available: pdf(329.67 KB) Additional Information: full citation, references

14 Columns: Risks to the public in computers and related systems

Peter G. Neumann

November 2003 ACM SIGSOFT Software Engineering Notes, Volume 28 Issue 6

Full text available:

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15 Open Source Software Sami Asiri March 2003 ACM SIGCAS Computers and Society, Volume 32 Issue 5	
Full text available: html(635.05 KB) Additional Information: full citation	
16 ipod, uPod, wePod: doubling your client support and strengthening team ties with virtually no extra resources Jesse Ben Saunders September 2003 Proceedings of the 31st annual ACM SIGUCCS conference on User services Full text available: pdf(140.51 KB) Additional Information: full citation, abstract, index terms	
It's a Wednesday afternoon at the Princeton University OIT Help Desk phone room. An undergraduate calls in a panic. Their Windows 2000 laptop, which contains all their work for a paper due that Friday, is displaying a blue screen that reads: "Inaccessible Boot Device." Their comp sci roommate has already worked on the computer, but can't get it to boot.What's the best way to handle a situation like this - one that needs immediate handson consulting? For Princeton, the answer was to provide an a	
Keywords: consulting, lab	
17 Expanding help desk services: the benefits of student S.O.S. Lea H. Snyder September 2003 Proceedings of the 31st annual ACM SIGUCCS conference on User services Full text available: pdf(295.64 KB) Additional Information: full citation, abstract, index terms	
It is a given fact that information technology managers often must make decisions on how to best serve the community at large while most effectively utilizing the manpower and resources available to them. Many Help Desks have expanded services by offering new technology, like Desktop Streaming, that has enabled them to meet the users' demands for immediate service without having to wait for a technician. However, what can the Help Desk do when this technology will not work because the user canno	
Keywords : accountability, customer service, help desk, management, measurement, on- site assistance, performance, student consultants, student staff	
Letters Linux Journal Staff September 2003 Linux Journal, Volume 2003 Issue 113 Full text available: html(8.47 KB) Additional Information: full citation	
19 Security from the perspective of the workstation user workshop Bruce P. Tis May 2002 The Journal of Computing in Small Colleges, Volume 17 Issue 6	
Full text available: 📆 pdf(15.65 KB) Additional Information: full citation, index terms	

20 Risks to the public: Risks to the public in computers and related systems

Peter G. Neumann

May 2002 ACM SIGSOFT Software Engineering Notes, Volume 27 Issue 3

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Components, Frameworks and GKS Input - Duce, van Liere, Hagen (1989) (Correct) (1 citation) -Components, Frameworks and GKS Input D. A. DuceR. van approach to a Reference Model for computer graphics, currently under discussion in the ISO computer currently under discussion in the ISO computer graphics subject committee. The paper shows how a formal www.cwi.nl/~robertl/papers/1990/hier/paper1.ps.Z

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Segregatory Coordination and Ellipsis in Text Generation - Shaw (1998) (Correct) (6 citations) multiple-distinct procedure. In the sentence, The spy was in his forties, of average build, and spoke systems contain a strategic and a tactical component. The strategic component determines what to say www.cs.columbia.edu/~shaw/papers/colingacl98.ps.gz

Hierarchical Techniques for Global Illumination.. - Slusallek.. (Correct) can be thought of consisting of three main components: scene description, lighting computation, and Marc Stamminger, and Hans-Peter Seidel Computer Graphics Group, University of Erlangen, Germany Abstract. Germany Abstract. Since the beginning of computer graphics, one of the primary goals has been to create graphics.stanford.edu/~slusallek/Papers/vismath97.ps.gz

A neutral mechanism for the detection of deadlocks under PVM - Chaumette (Correct) Therefore we introduced the concept of a spy. A spy is a special form of graft that does not ftp.irisa.fr/pub/mirrors/netlib/pvm3/epvmug94/contrib/chaumette_a.ps

Evolution of a 60 Decibel Op Amp Using Genetic Programming - Forrest Bennett (1996) (Correct) (2 citations) topology and sizing (numerical values) for each component of a low-distortion, lowbias 60 decibel www.genetic-programming.com/ICES60dB.ps

Towards 3-D model-based tracking and recognition of human.. - Gavrila, Davis (1995) (Correct) from real images. Our system has two major components. The first component takes real image and entails finding the pose parameters of a graphical human model for which its synthesized 3-D Body modeling, pose recovery and tracking 3-D graphical models for the human body often consist of two www.umiacs.umd.edu/users/gavrila/iwafgr.ps.Z

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Understanding Technical Articles and Their Diagrams - Futrelle, Gauch.. (1991) (Correct) structures. Each grammar rule has three components: 1) a production specifying a parent and its Starting from paper documents, both text and graphics are captured and analyzed. We describe the graphs. Model-based image processing discovers graphical objects such as lines, polygons and text. The ftp.ccs.neu.edu/pub/people/nikos/TR-NU-CCS-91-10.ps

A Media-Independent Content Language for Integrated Text and.. - Nancy Green (1998) (Correct) (7 citations) one for information graphics. A media allocation component decides which parts of the plan shall be Content Language for Integrated Text and Graphics Generation Nancy Green*Giuseppe Carenini* generating integrated text and information graphics presentations about complex, quantitative www.cs.cmu.edu/afs/cs.cmu.edu/user/ngreen/public-web-pages/cvir98.ps

Page Segmentation Using Script Identification Vectors.. - Hochberg, Cannon.. (1997) (Correct) vector is calculated for each connected component in a document. The vector expresses the closest www.c3.lanl.gov/~kelly/pubs/sdiut.97/sdiut.97.ps.gz

Propositional Attitudes - Muskens (1993) (Correct) invalid argument (8)8) Sue knows that the tallest spy is a spy Tim is the tallest spy Sue knows that Tim let.kub.nl/general/people/rmuskens/pubs/./propatt.ps

École Polytechnique FÉdÉrale De Lausanne - An Ne (Correct) argument, the operation is performed on each component of the vector. Let us construct a second its many strengths are its powerful but flexible graphics routines, and its facility for writing functions Moreover, it is assumed to work with a graphical user interface (GUI) i ii such as Motif or dmawww.epfl.ch/~kuonen/PS/splusintro_first.ps.gz

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On the Role of Inter-Component Dependence in Supporting.. - Kon, Campbell (1998) (Correct) On the Role of Inter-Component Dependence in Supporting Automatic Recon choices.cs.uiuc.edu/2k/papers/CompConfig-TR.ps.gz

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